

ABSTRACT

A process for the continuous production of an ϵ -caprolactone polymer characterized by including heating an ϵ -caprolactone under reduced pressure or in an inert gas stream to volatilize the unreacted ϵ -caprolactone from the polymer and cooling the vapor phase part containing the matter volatilized to thereby recover the unreacted ϵ -caprolactone, wherein the amount of the ϵ -caprolactone to be recovered is regulated to larger than 5 times by weight the amount of caprolactone dimer.